

STT25PC

2" SPOT TRACK LUMINAIRE

Spectrum 2.5" Round TT Series Track Light for Accent Lighting with Up to 1000 Lumens Delivered.

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
STT25PC 10L	1000	550	7.4	74
STT25PC 20L	2000	1078	13.4	80

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 82 CRI with 20L 35K MD XX MW NL

FEATURES

Passive cooled LED tracklight. Reflector and accessories are easily changed. Zhaga International standard LED module for fixture maintenance and upgrades. High tension friction locking mechanism for aiming and rotation. Wide array of track systems and fixture mounting.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. A wide variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

CONSTRUCTION

Fixture is fabricated from machined aluminum.

ELECTRONICS

LED module features state of the art, high efficiency LEDs. 3-step MacAdam Ellipse binning with 80 and 90 CRI available. 120V/TRIAC phase cut driver dims smooth to $\leq 5\%$. 0-10V $\leq 5\%$ 120V and 277V options.

CODE COMPLIANCE

BAA Compliant.

WARRANTY

5 year warranty is Standard. L70 > 60,000 hours.

PRODUCT SELECTOR GUIDE

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / VOLTAGE	ADAPTOR	FINISH	ACCESSORIES
STT25PC							+

EXAMPLE

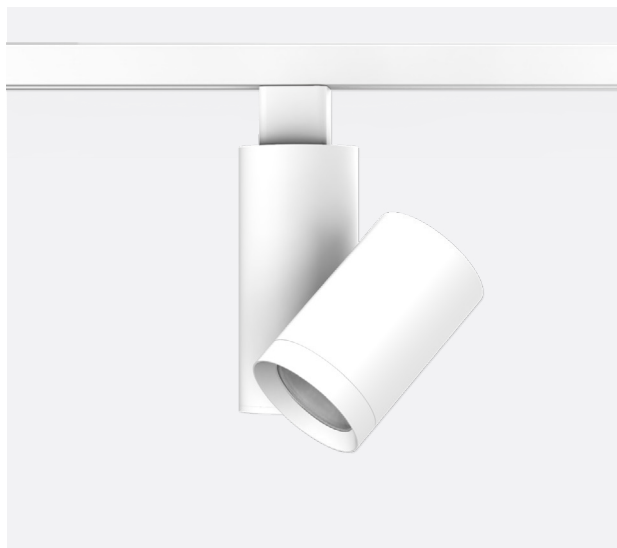
STT25PC	10L	35K	MD	E1	BET	MW	+
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SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / VOLTAGE	ADAPTOR	FINISH ²	ACCESSORIES			
STT25PC	80 CRI		MD WD	34° 49°	E1 120V $\leq 5\%$ Triac Leading Edge Phase Dimming	BET TEK100	MW ³ Matte White MB ³ Matte Black PT ³ Platinum Silver CC Custom Color <small>² See Color Page for More Options/ Consult Factory for Special Finishes ³ Standard Finishes</small>	ORDER SEPARATELY LN2ASO Solite Diffuse Lens BET70WH Mono Point Canopy White BET70BK Mono Point Canopy Black		
	10L	550 Lm							27K	2700K
	20L	1100 Lm			30K	3000K			HTEK100	Global TEK 2 CIR/2 NEUT 277V
					35K	3500K				
					40K	4000K				
	90 CRI								E2 Non-Dimming Electronic Driver, 277V	
			DO102	$\leq 5\%$, 0-10V Dimming, 120V						

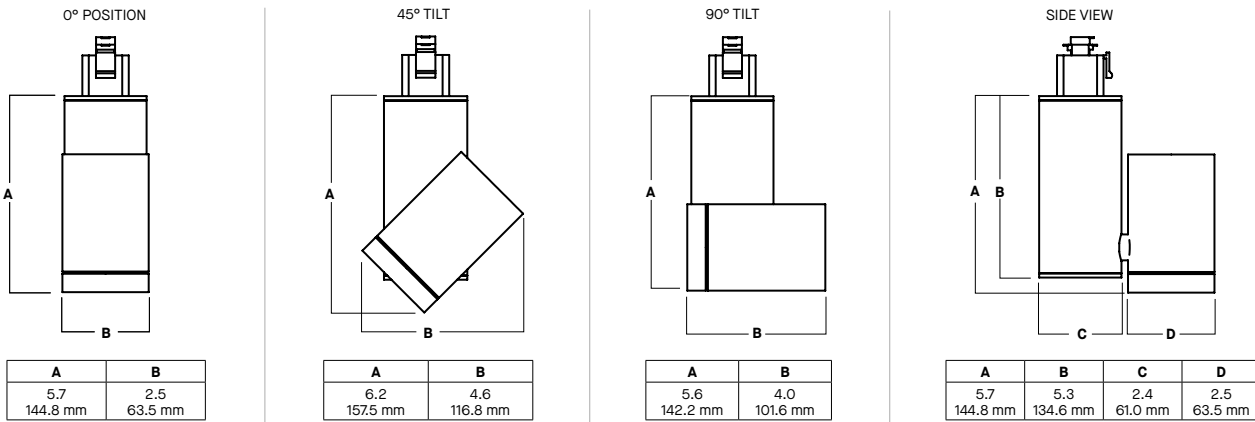


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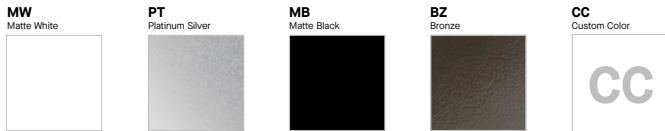
PROJECT: _____
 QUANTITY: _____ TYPE: _____



FIXTURE DIMENSIONS



FINISH



PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	🕒
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

STANDARD PRODUCT FINISHES

FIXTURE COLOR	STANDARD CORD COLOR / TRACK ADAPTER
Matte White	Matte White
Matte Black	Matte Black
All Others	Matte Black
Custom Color	Contact Factory

FIXTURE ACCESSORIES



ADAPTOR

BET
Basix 1 CIR/1 NEUT 120V



TEK100
Global TEK 2 CIR/2 NEUT 120V



OT2D
120V 2 Circuit 6 Conductor,
0-10V Dimmable



HTEK100
Global TEK 2 CIR/2 NEUT 277V



HOT2D
277V 2 Circuit 6 Conductor,
0-10V Dimmable



STT25PC 20L 35K MD xx MW NL

CANDLEPOWER CURVE TEST SP-01056	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	0° - 10° 193 18%	6.5'	52 fc	4.7'	22 fc	14'	4'	54	0.70	52	0.76
	0° 2205	0° - 20° 591 55%	7.5'	39 fc	5.4'	16 fc	18'	6'	28	0.37	27	0.40
	5° 2132	0° - 30° 882 82%	8.5'	31 fc	6.1'	13 fc	22'	8'	13	0.17	11	0.16
	15° 1465	0° - 40° 966 90%	10.0'	22 fc	7.2'	9 fc	Delivered Illuminance Rating: (DIR)					
	25° 665	0° - 60° 1031 96%	12.0'	15 fc	8.6'	6 fc	77 FC per W/Sq. Ft. 69 FC per W/Sq. Ft.					
	35° 119	0° - 80° 1063 99%	14.0'	11 fc	10.0'	5 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45° 54	0° - 90° 1066 99%	16.0'	9 fc	11.5'	4 fc						
	55° 41	Total 1078 100%	20.0'	6 fc	14.3'	2 fc						
	90° 2											

Delivered Lumens: 1078 CP at 0° (Nadir): 2205 Beam Angle: 39° Lumen Multiplier: 10L x 0.51
 Luminaire Watts: 13.4 Spacing Ratio: 0.63 CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03
 LER: 80.45 CRI: 80

STT25PC 20L 35K WD xx MW NL

CANDLEPOWER CURVE TEST SP-01057	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT					
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	0° - 10° 176 15%	6.5'	47 fc	5.3'	19 fc	10'	4'	57	0.72	51	0.71
	0° 1972	0° - 20° 577 51%	7.5'	35 fc	6.1'	14 fc	14'	6'	32	0.39	20	0.27
	5° 1905	0° - 30° 907 80%	8.5'	27 fc	6.9'	11 fc	18'	8'	17	0.21	10	0.14
	15° 1462	0° - 40° 1021 90%	10.0'	20 fc	8.1'	8 fc	Delivered Illuminance Rating: (DIR)					
	25° 743	0° - 60° 1091 96%	12.0'	14 fc	9.7'	5 fc	80 FC per W/Sq. Ft. 72 FC per W/Sq. Ft.					
	35° 160	0° - 80° 1121 99%	14.0'	10 fc	11.3'	4 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45° 61	0° - 90° 1124 99%	16.0'	8 fc	12.9'	3 fc						
	55° 37	Total 1137 100%	20.0'	5 fc	16.2'	2 fc						
	90° 2											

Delivered Lumens: 1137 CP at 0° (Nadir): 1972 Beam Angle: 44° Lumen Multiplier: 10L x 0.51
 Luminaire Watts: 13.4 Spacing Ratio: 0.71 CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03
 LER: 84.85 CRI: 80

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>One of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_{H} = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> CP Candela at 0° (Nadir) cos θ Cosine of θ Angle D Distance (Mounting Height AFF) FC_H Footcandles, Horizontal Beam Angle Cone of light to 50% max. CP Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): FC = Chart Spacing² ÷ Different Spacing² x Chart FC To estimate Fixture Quantity in a room: Fixture Qty. = Sq. Ft. of Rm. ÷ Sq. Ft. per fixture To estimate Watts/Sq. Ft.: W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.

STT25PC 20L 35K MD xx MW LN2ASO

CANDLEPOWER CURVE TEST SP-01056_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0°	0° - 10°	162	17%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	1830	0° - 20°	501	52%	6.5'	43 fc	4.7'	18 fc	14'	4'	48	0.70	46	0.76
	5°	1762	0° - 30°	760	79%	7.5'	33 fc	5.4'	14 fc	18'	6'	25	0.37	24	0.40
	15°	1254	0° - 40°	863	89%	8.5'	25 fc	6.2'	11 fc	22'	8'	12	0.17	10	0.16
	25°	583	0° - 60°	929	96%	10.0'	18 fc	7.3'	8 fc	Delivered Illuminance Rating: (DIR)		68 FC per W/Sq. Ft.		61 FC per W/Sq. Ft.	
	35°	170	0° - 80°	950	98%	12.0'	13 fc	8.7'	5 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45°	58	0° - 90°	953	99%	14.0'	9 fc	10.2'	4 fc						
	55°	35	Total	965	100%	16.0'	7 fc	11.6'	3 fc						
	90°	2				20.0'	5 fc	14.5'	2 fc						

Delivered Lumens: 965
Luminaire Watts: 13.4
LER: 72.01

CP at 0° (Nadir): 1830
CRI: 80

Beam Angle: 40°
Spacing Ratio: 0.64

Lumen Multiplier: 10L x 0.51
CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03

STT25PC 20L 35K WD xx MW LN2ASO

CANDLEPOWER CURVE TEST SP-01057_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0°	0° - 10°	153	15%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5	
	0°	1686	0° - 20°	498	48%	6.5'	40 fc	5.3'	16 fc	10'	4'	52	0.72	46	0.71
	5°	1641	0° - 30°	791	77%	7.5'	30 fc	6.1'	12 fc	14'	6'	29	0.39	18	0.27
	15°	1269	0° - 40°	921	89%	8.5'	23 fc	6.9'	9 fc	18'	8'	15	0.21	9	0.14
	25°	653	0° - 60°	995	97%	10.0'	17 fc	8.1'	7 fc	Delivered Illuminance Rating: (DIR)		73 FC per W/Sq. Ft.		65 FC per W/Sq. Ft.	
	35°	212	0° - 80°	1016	98%	12.0'	12 fc	9.7'	5 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45°	67	0° - 90°	1018	99%	14.0'	9 fc	11.3'	3 fc						
	55°	34	Total	1031	100%	16.0'	7 fc	13.0'	3 fc						
	90°	2				20.0'	4 fc	16.2'	2 fc						

Delivered Lumens: 1031
Luminaire Watts: 13.4
LER: 76.94

CP at 0° (Nadir): 1686
CRI: 80

Beam Angle: 44°
Spacing Ratio: 0.70

Lumen Multiplier: 10L x 0.51
CCT Multiplier: 27K x 0.96, 30K x 0.98, 40K x 1.03

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> <p>$FC_{H} = CP \times (\cos \theta) \div D^2$</p> <p>Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> - CP Candela at 0° (Nadir) - Cos θ Cosine of θ Angle - D Distance (Mounting Height AFF) - FC_{H} Footcandles, Horizontal - Beam Angle Cone of light to 50% max. CP - Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> - To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ - To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> - To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ - To estimate Watts/Sq. Ft.: $W / \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$